

ILLINOIS

WEATHER & CROPS



**ILLINOIS
COOPERATIVE CROP
REPORTING SERVICE**

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CROPS

WINTER WHEAT on Friday, April 16, was reported as 4% excellent, 55% good, 35% fair and 6% poor.

CORN planting has started, but was less than 1% complete as of April 18. This compares with 3% last year and 2% for the 5-year average. Most of the planted acres were in the southern part of the State.

OATS seeding as of Sunday, April 18 was 40% complete compared with 98% last year and the 5-year average of 57%.

ALFALFA as of April 16 was reported as 1% excellent, 65% good, 33% fair, and 1% poor.

OWING for 1982 CORN and SOYBEAN acreage is about 72% complete, compared with 97% last year and the 5-year average of 86%.

PASTURES were reported as 2% excellent, 54% good, 42% fair, 1% poor, 1% failure. Pastures are supplying about 25% of the livestock roughage requirements, compared with 52% last year and a 5-year average of 39%.

SOIL MOISTURE was reported as 49% adequate and 51% surplus.

There were 1.75 DAYS SUITABLE for FIELD-WORK for the week ending April 16.

MAIN ACTIVITIES were seeding oats, applying anhydrous fertilizer, and preparing machinery for spring fieldwork.

SOIL MOISTURE MEASUREMENTS

Soil moisture is measured each week by the Illinois State Water Survey at a site near Bondville (Champaign County). As of April 12, soil moisture in the moderately well-drained Flanagan soil in the total column from the surface to about 5 feet increased 2% since the last measurements made on April 5. In that 7-foot column the Potential Plant Available Water (PPAW) increased from 79% to 82%. Precipitation during the week amounted to 0.48 inch scattered throughout the week.

WEATHER

TEMPERATURES for the period of April 12 through 18 averaged from 2 to 5 degrees above normal throughout the State. A warming trend that started at the end of last week continued through this week sending maximum temperatures into the 80's in the South.

PRECIPITATION was moderate to heavy in most districts with amounts ranging from .75 of an inch to nearly 2 inches. The heaviest rain fell on the 16th with some areas receiving more than 1.50 inches during a 24-hour period.

The Outlook for the period of April 21 through April 27 is for temperatures and precipitation to be below normal.

MARCH WEATHER SUMMARY

Average monthly TEMPERATURES ranged from 1 to 4 degrees below normal in the northern half of the State and from 1 to 5 degrees above normal in the South. The Northeast District had the largest below normal variation (2.1 degrees below normal), and the largest above normal variation was in the Southwest District (4.4 degrees above normal). A cool trend which started in the first week of March continued in the North through the end of the month. During the second week, many new minimum temperature records were set in this area as readings fell below zero. In the second and third week, readings went above normal in the South sending maximum readings into the 80's for a brief period and setting a few new maximum temperature records.

PRECIPITATION was above normal in most districts of the State except the South. The largest above normal variation was in the West District and the largest below normal variation was in the Southwest District. During the first three weeks, precipitation was moderate to heavy in most sections of the State. The South received 1 to 2 inches of rain in the second week and then a dry period set in during the second half of the month. In the fourth week, precipitation was light over the entire State.

During the first week, 1 to 9 inches of snow fell on the north and central sections of the State. In the second week 1 to 2 inches of snow fell in the North and in the third week 1 to 3 inches fell in the north and central sections.

The Extended Outlook for April 15 through May 15 is for temperatures and precipitation to be above normal over Illinois.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE
Days suitable for field-work: (week ending April 16)	1.5	0.5	2.0	1.5	0.5	2.5	0.5	3.0	4.0	1.75
Soil Moisture %:										
(as of April 16) Short	--	--	--	--	--	--	--	--	--	--
Adequate	30	35	30	65	65	65	30	60	55	49
Surplus	70	65	70	35	35	35	70	40	45	51

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ILLINOIS WEATHER

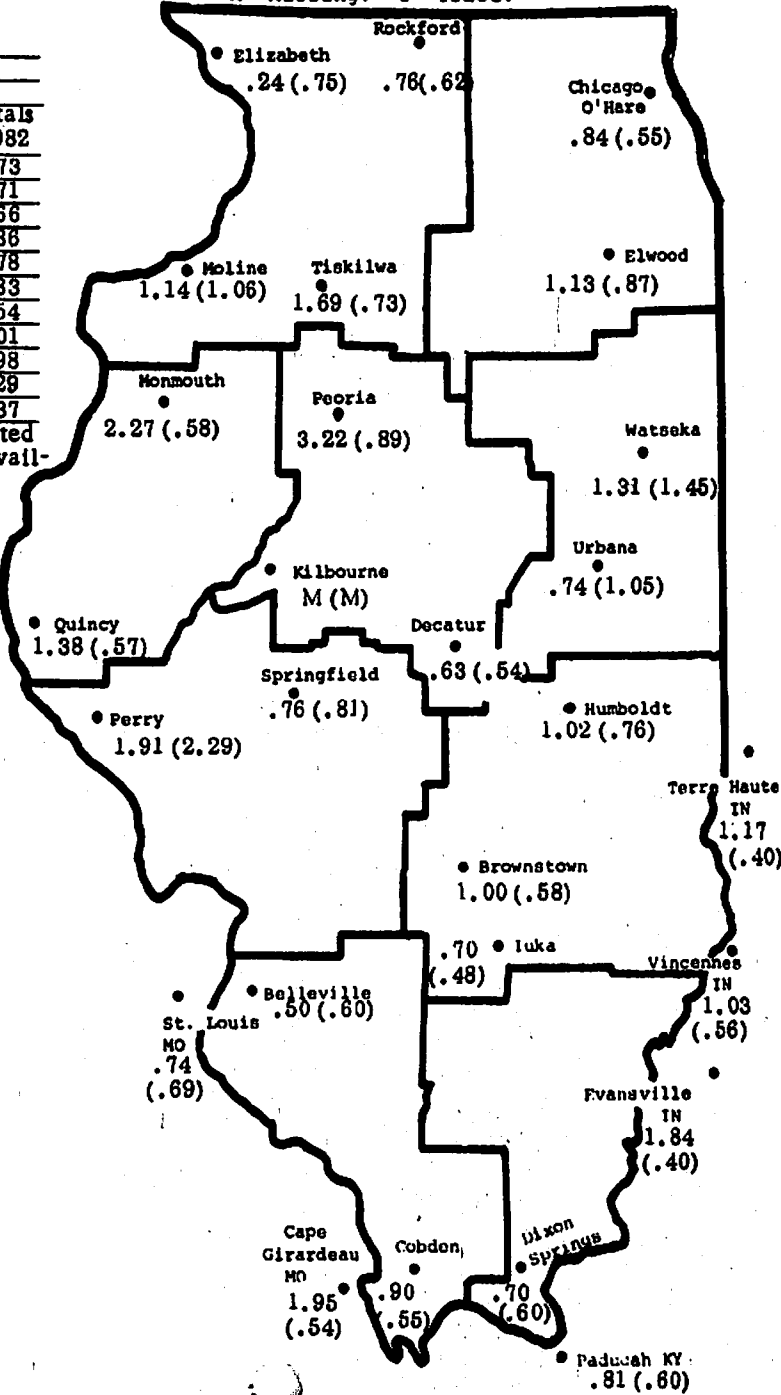
PRELIMINARY DISTRICT PRECIPITATION AVERAGES AND DEPARTURES FROM NORMAL IN INCHES

	NW	NE	W	C	E	WSW	ESE	SW	SE
March	3.52	3.67	4.37	3.93	3.28	3.23	3.67	2.71	3.08
Departure	+1.09	+1.06	+1.58	+1.18	+1.11	+0.32	+0.27	-1.39	-1.31

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	February	March	March 30- April 5	April 6- 12	April 13- 19
Chicago	-5	-1	+5	-15	+2
Peoria	-3	0	+6	-19	+2
Springfield	-6	+1	+4	-17	+4
St. Louis	-6	+3	+4	-14	+4

PRECIPITATION:
First figure--Current week, April 13-19
Parentheses--Previous week
M--Missing. T--Trace.



Week ending Monday, 6 A.M., April 19							
Station	Temperatures			Growing degree days 1/			
	Maxi- mum	Mini- mum	Aver- age	Current week	3-yr. av. 2/	Totals 1981	Totals 1982
Moline	75	31	53.0	50	110	182	73
Rockford	72	32	51.6	54	90	153	71
Chi. O'Hare	70	33	52.0	44	97	176	66
Quincy	75	38	55.9	59	136	214	88
Decatur	77	33	53.2	52	121	203	78
Peoria	80	35	54.4	54	114	194	83
Watseka	75	31	50.9	41	3/		54
Springfield	80	34	57.3	69	143	244	101
Brownstown	79	34	56.6	66	3/		98
St. Louis	83	39	60.9	85	178	288	129
Dixon Springs	77	42	60.2	79	3/		137

Totals are accumulated from April 1. 2/ Average of accumulated totals for 1979, 1980, and 1981. 3/ Previous years' data are not available.

Growing degree days(GDD's) are calculated by subtracting a 50-degree (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to 50 degrees (F). Thus, if the mean temperature for the day is 75 degrees, then 25 GDD's will have been accumulated.

Station	Week ending Mon., 6 A.M. 4/19	
	Average daily soil temperature	
	4" bare soil	
	Maximum	Minimum
Elizabeth	52	40
Elwood	55	41
Monmouth	52	41
Urbana	56	46
Perry	55	44
Brownstown	61	48
Belleville	--	--
Dixon Springs	64	49